

## CLAIMS

What is claimed is:

1           1.     A method for managing applications in a mobile device having  
2 storage capacity including a secondary storage location and a main memory, the  
3 mobile device operating in a communications network having a network storage  
4 location, the method comprising the steps of:

5                     defining control parameters, said control parameters  
6                     defining at least a storage configuration for applications  
7                     including a selected program within the storage capacity of  
8                     the mobile device, said application to be downloaded from  
9                     the network storage location ;

10                    receiving input for invoking said selected program in the  
11                    mobile device, wherein said selected program is stored in  
12                    the network storage location;

13                    performing storage management of said selected program  
14                    based on said control parameters as defined by said input  
15                    data, said storage management including loading said  
16                    selected program from the network into at least the mobile  
17                    device; and

18                    executing said selected program from the main memory of  
19                    said mobile device.

1           2.     The method of claim 1, wherein the step of defining comprises  
2 the step of receiving input data at the mobile device, said input data  
3 defining said control parameters.

1           3.     The method of claim 2, wherein the step of defining further  
2 comprises, before the step of receiving, loading a launcher program from  
3 the communications network into the mobile device.

1           4.     The method of claim 1, wherein the step of performing storage  
2 management of said selected program comprises, before the step of

3 loading said selected program from the network, the step of determining  
4 that said selected program is not stored in the main memory of the mobile  
5 device.

1 5. The method of claim 1, wherein the step of performing storage  
2 management of said selected program comprises, before the step of  
3 loading said selected program from the network, the step of determining  
4 that said selected program is not stored in the secondary storage location  
5 of the mobile device.

1 6. The method of claim 1, wherein the step of performing storage  
2 management of said selected program comprises determining that said  
3 control parameters indicate that said selected program is to be stored in  
4 the secondary storage location of the mobile device. and the step of  
5 loading said selected program from the network comprises loading said  
6 selected program into the secondary storage location of the mobile device.

1 7. The method of claim 6, wherein the step of executing said  
2 selected program comprises the step of loading said selected program  
3 from the secondary storage location into the main memory of the mobile  
4 device.

1 8. The method of claim 1, wherein the step of performing storage  
2 management of said selected program comprises the step of determining  
3 that said selected program is stored in the secondary storage location of  
4 the mobile device and that said selected program has been corrupted in  
5 the secondary storage location of the mobile device and wherein the step  
6 of loading said selected program into the mobile device comprises  
7 reloading said selected program into the secondary storage location of the  
8 mobile device.

1 9. The method of claim 1, wherein the step of performing storage  
2 management of said selected program comprises, before the step of  
3 loading said selected program from the network, the steps of determining  
4 that said selected program is stored in the main memory of the mobile

5 device and that said selected program has been corrupted in the main  
6 memory of the mobile device.

1 10. The method of claim 1, wherein said at least one control  
2 parameter comprises a storage priority for said selected program and  
3 wherein the method further comprises the steps of storing said selected  
4 program in the main memory of the mobile device until main memory  
5 capacity is needed.

1 11. A method for managing applications in a mobile device having  
2 storage capacity including a secondary storage location and a main memory, the  
3 method comprising the steps of:

4 defining control parameters, said control parameters  
5 defining at least a storage configuration for applications  
6 including a selected program within the storage capacity of  
7 the mobile device, said application to be loaded into the  
8 mobile device;

9 receiving input for invoking said selected program in the  
10 mobile device;

11 performing storage management of said selected program  
12 based on said control parameters as defined by said input  
13 data, said storage management including loading said  
14 selected program into the mobile device; and

15 executing said selected program from the main memory of  
16 said mobile device.

1 12. The method of claim 11, wherein the step of defining  
2 comprises the step of receiving input data at the mobile device, said input  
3 data defining said control parameters.

1 13. The method of claim 12, wherein the step of defining further  
2 comprises, before the step of receiving, loading a launcher program into  
3 the mobile device.

1           14.    An apparatus for managing applications in a mobile device having  
2 storage capacity including a secondary storage location and a main memory the  
3 apparatus comprising:

4                   an input device for defining control parameters, said  
5 control parameters defining at least a storage configuration  
6 for applications including a selected program within the  
7 storage capacity of the mobile device, said application to  
8 be loaded into the mobile device; said input device further  
9 for receiving input for invoking said selected program in  
10 the mobile device;and,

11                   a processor coupled to said input device, said processor  
12 for performing storage management of said selected  
13 program based on said control parameters as defined by  
14 said input data, said storage management including  
15 loading said selected program into the mobile device, and  
16 executing said selected program from the main memory of  
17 said mobile device.

1           15.    The apparatus of claim 14, wherein said input device further  
2 receives input data at the mobile device, said input data defining said  
3 control parameters.

1           16.    The apparatus of claim 15, wherein the processor further  
2 loads a launcher program into the mobile device before loading said  
3 selected program.